



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, REGION I**

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TO: FILE

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On 3 March 2016 I conducted an inspection of J, K and T Ranges. The tarp covers were on and secured at each of the STAPP ranges, precluding an inspection of the STAPP rubber membrane cover. However, on 7 March 2016 I was able to view the top rubber membrane cover at J range.

I observed the general range conditions at the three ranges to be good. The water levels measured at each of the ranges was less than 15 cm. The following issues were noted which should receive attention.

**J Range**

- 1) Gaps between the newly constructed toe boxes are to be filled in to prevent projectiles from potentially penetrating the STAPP reservoir. EPA notes that the range would have been used on Saturday, 5 March 2016 without this added protection.
- 2) Sand bags were placed at the bottom, up range side of the toe boxes but gaps were noticeable. These gaps should be filled in to fully protect the base of the STAPP system.
- 3) Penetration holes and rips greater than 1.5 inches in length with rubber media visible through the rubber membrane cover exist. There may be a failed seam exceeding 6 inches. Repairs are to be made prior to subsequent range use. See OMMP Table 12-3.
- 4) A projectile tear was noticed (lane not noted) at the top of the synthetic lumber support structure.

**K Range**

- 1) A couple of tears were noticed in the tarp cover.

I also conducted a brief review of the J, K and T Range Control logs and have the following general observations:

- 1) Utilization Inspection reports did not consistently record the requested information.
- 2) The most up-to-date detailed inspection form and range inspections/clearance checklist were not being used.
- 3) These forms did not consistently record the requested information.
- 4) Some post-fire inspections were not recorded.
- 5) It was not clear that maintenance was conducted based upon the results of each inspection.
- 6) It was noted from review of the records that the tarps were blown down frequently. It is recommended that they be better secured.